ORDER NO. RD82051996C1

Service Manual

Radio Cassette

RX-5080

FM-AM-FM Stereo Radio Cassette Recorder

Original UPS 444

23. 11. 83

■ SPECIFICATIONS

General:

Power Requirement:	AC; 110~115/115~127/200~220/230~250 V, 50/60 Hz Battery; 12 V (Eight "D" Size Flashlight Batteries) (Panasonic UM-1 or equivalent)
Power Consumption:	24 W (AC only)
Power Output:	15 W (7.5 W×2) . . . RMS (max.)
Speaker:	Woofer; 16 cm (6½") PM Dynamic Speaker (3Ω) Tweeter; 5 cm (2") PM Dynamic Speaker (4Ω)
Input:	MIC; sensitivity 0.25 mV/applicable microphone impedance 200~600Ω Line in; sensitivity 200 mV/47 kΩ over
Output:	Line out; sensitivity 0.42 V/10 kΩ under Ext SP; 3Ω~8Ω Headphones; 8Ω
Dimensions:	534 mm(W)×265 mm(H)×178 mm(D) (21×10 7/16×7)"
Weight:	5.7 kg (12 lb. 9 oz.) without batteries

Radio Section:

Radio Frequency Range:	FM; 88~108 MHz AM; 525~1610 kHz
Intermediate Frequency:	FM; 10.7 MHz AM; 455 kHz
Sensitivity:	FM; 2.5μV/50 mW output AM; 70μV/m/50 mW output

Tape Deck Section:

Frequency Response:	50~12,000 Hz (with normal tape) 50~13,000 Hz (with CrO_2 tape) 50~14,000 Hz (with Metal tape)
Recording System:	AC bias, AC erase
Tape Speed:	4.8 cm/s, (1 7/8 ips)
Wow and Flutter:	0.08% (WRMS)
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track 2 channel stereo recording and playback

Specifications are subject to change without notice.

Panasonic®

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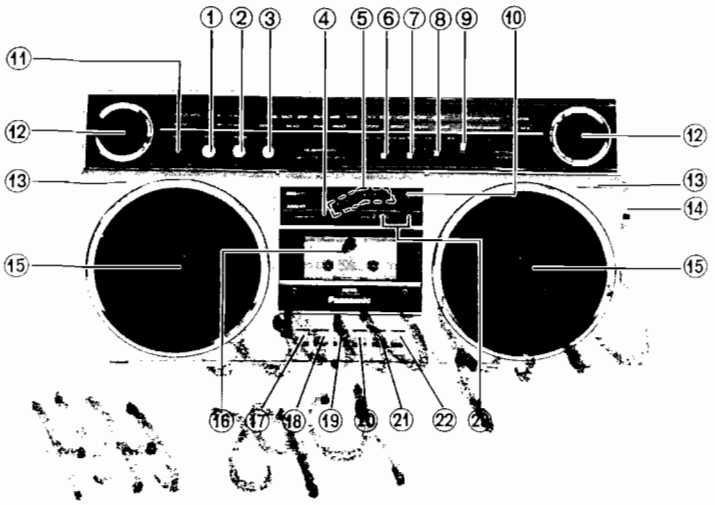
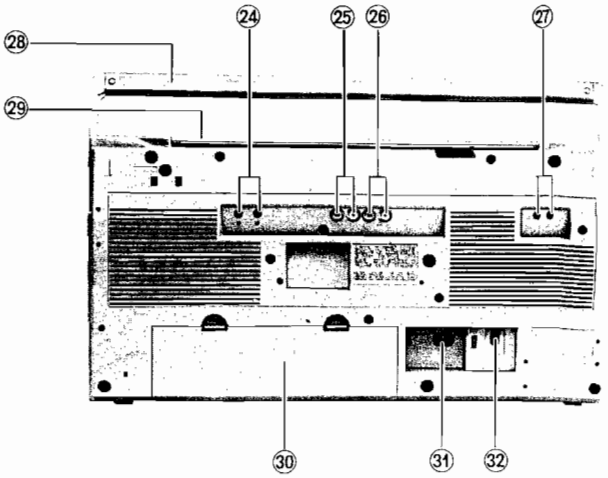
Carolina, Puerto Rico 00630

444

LOCATION OF CONTROLS AND COMPONENTS





① Volume Control (VOLUME)
② Balance Control (BALANCE)
③ Tone Control (TONE)
④ Power/Battery Check Indicator (POWER/BATTERY)
⑤ Level Meter (LEVEL)
⑥ Function Selector (SELECTOR)
[LINE IN/RADIO/TAPE, POWER OFF]
⑦ Mode Selector/Beat Proof Switch (MODE/BEAT PROOF)
[AMBIENCE, II /STEREO, II /MONO, I]
⑧ Tape Selector (TAPE) [METAL/CrO_2/NORMAL]
⑨ Band Selector (BAND) [FM/AM]
⑩ FM Stereo Indicator (FM STEREO)
⑪ Headphone Jack (PHONES) 8Ω
⑫ Tweeters (Treble Speakers) 5 cm (2"), 4Ω
⑬ Built-in Microphones (MICROPHONE)
⑭ Tuning Control (TUNING)
⑮ Woofers (Bass Speakers) 16 cm ($6\frac{1}{2}$"), 3Ω
⑯ Cassette Compartment
⑰ Record Button (RECORD)
⑱ Rewind/Review Button (REW/REV)
⑲ Fast Forward/Cue Button (FF/CUE)
⑳ Playback Button (PLAY)
㉑ Stop/Eject Button (STOP/EJECT)
㉒ Pause Button (PAUSE)
㉓ Tape Counter and Reset Button (COUNTER)
㉔ Microphone Jacks (MIC) 0.25 mV/200~600Ω
㉕ Line Input Jacks (LINE IN) 200 mV/47 kΩ over
㉖ Line Output Jacks (LINE OUT) 0.42 V/10 kΩ under
㉗ External Speaker Jacks (EXT SP) 3~8Ω
㉘ Handle
㉙ Telescopic Antenna
㉚ Battery Compartment
㉛ AC Socket (AC IN ~)
㉜ Voltage Selector (VOLTAGE SELECTOR)

DISASSEMBLY INSTRUCTIONS

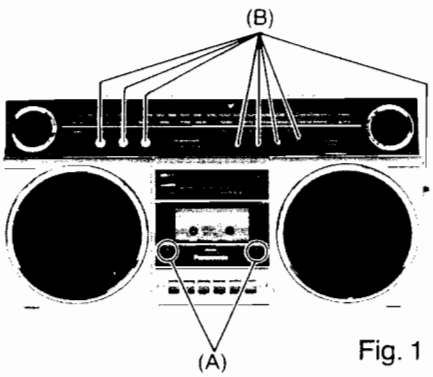


Fig. 1

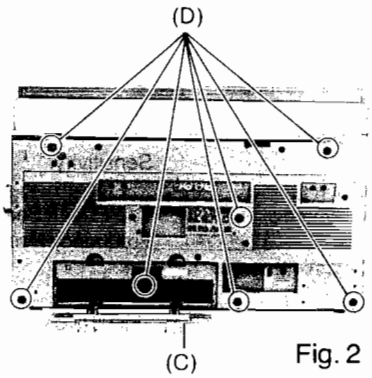


Fig. 2

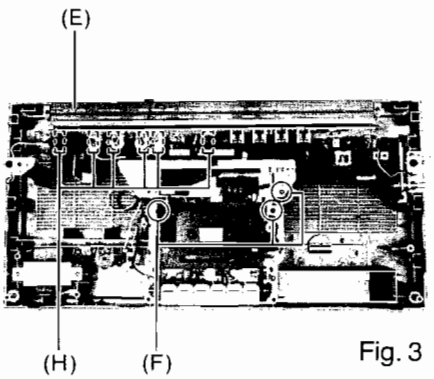


Fig. 3

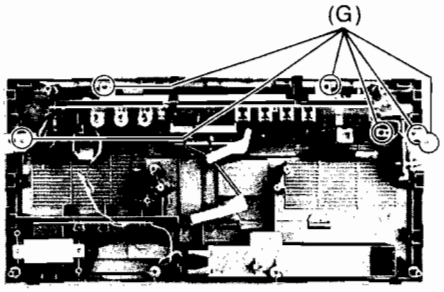


Fig. 4

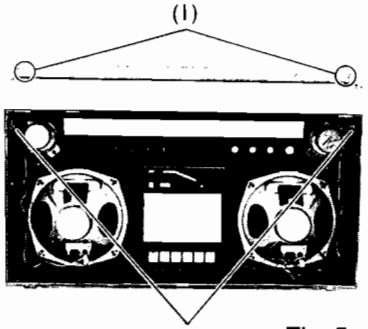


Fig. 5

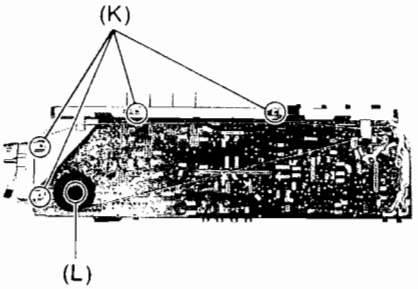


Fig. 6

Procedure	To remove—.	Remove	Shown in Fig.—.
1	Cassette Compartment	Screw (RHE5040Z) ..... (A)×2	1
2	Front Cabinet	Knob ..... (B)×8	1
3		Battery Cover ..... (C)×1	2
4		Screw (3×40) ..... (D)×7	2
5	Mechanism	Dial Scale ..... (E)×1	3
6		Screw (3×12) ..... (F)×3	3
7	Circuit Board	Screw (3×12) ..... (G)×6	4
8		Connector ..... (H)×6	3
9	Handle	Screw (3×8) ..... (I)×2	5
10		Handle Holding ..... (J)×2	5
11	Dial Chassis	Screw (3×6) ..... (K)×4	6
12		Screw (2.6×8) ..... (L)×1	6

MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set tone control to treble.
3. Set band switch to AM or FM.
4. Set function selector to radio.
5. Set balance control to center.
6. Set mode switch to stereo.
7. Set power source voltage to 12 volts DC.
8. Output of signal generator should be no higher than necessary to obtain an output reading.

	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING [DISTANCE]	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
	AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mode. with 400 Hz.	Point of non-interference. (on/ about 600 kHz).	Output meter across speaker voice coil.	T2 (AM IFT)	Adjust for maximum output.
(2)	,,	550 kHz	550 kHz [18.5 mm ($^{23}/_{32}$'')]	,,	L4 (AM OSC Coil) (*1) L3 (AM ANT Coil)	Adjust for maximum output. Adjust L3 by moving coil bobbin along ferrite core.
(3)	,,	1,500 kHz	1,500 kHz [168.5 mm ($6^{5}/_{8}$'')]	,,	CT4 (AM OSC Trimmer) CT3 (AM ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(*1) Cement antenna bobbin with wax after completing alignment.					
	FM-IF ALIGNMENT					
(4)	Connect to test point ▼ through 0.001 μF. Negative side to test point ▼.	10.7 MHz (SWP.)	Point of non-interference. (on/ about 90 MHz)	Connect vert. amp. of scope to test point ▼. Negative side to test point ▼.	T1 (FM 1st IFT)	Adjust for maximum amplitude. (Refer to fig. 7.)
(5)	,,	,,	,,	,,	T3 (FM 2nd IFT)	Adjust for maximum amplitude. (Refer to fig. 8.)
	FM-RF ALIGNMENT					
(6)	Connect to test point ▼ through FM dummy antenna. Negative side to test point ▼.	90 MHz	90 MHz [30 mm ($1^{3}/_{16}$'')]	Output meter across speaker voice coil.	L2 (FM OSC Coil) L1 (FM ANT Coil)	Adjust for maximum output.
(7)	,,	106 MHz	106 MHz [158.3 mm ($6^{7}/_{32}$'')]	,,	CT2 (FM OSC Trimmer) CT1 (FM ANT Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

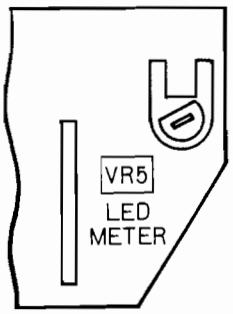
■ SEPARATION ALIGNMENT

ITEM	FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	98 MHz, 60 dB (CW)	▼ . . . (+) side ▼ . . . (−) side	VR4	19 kHz	Adjust VR4, for 19 kHz (±200 Hz) reading on electronics counter.

■ AUDIO ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Azimuth	QZZCFM (10 kHz, −20 dB)	LINE OUT	Maximum output.	Azimuth screw	Playback mode
LED meter	QZZCFM (315 Hz, 0 dB)	LED meter	——	VR5	Playback mode Tape selector→Normal Adjust VR5 so that the 1st LED from right begins to fade out.
Bias current	Use normal tape	▼ . . . (+) ▼ . . . (−)	16±0.5 V	VR6	Record mode Beat proof switch→II Tape selector→Normal

■ ALIGNMENT POINTS



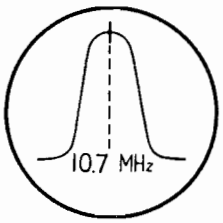


Fig. 7

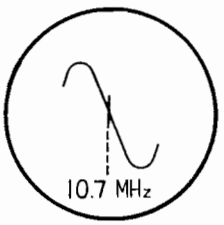


Fig. 8

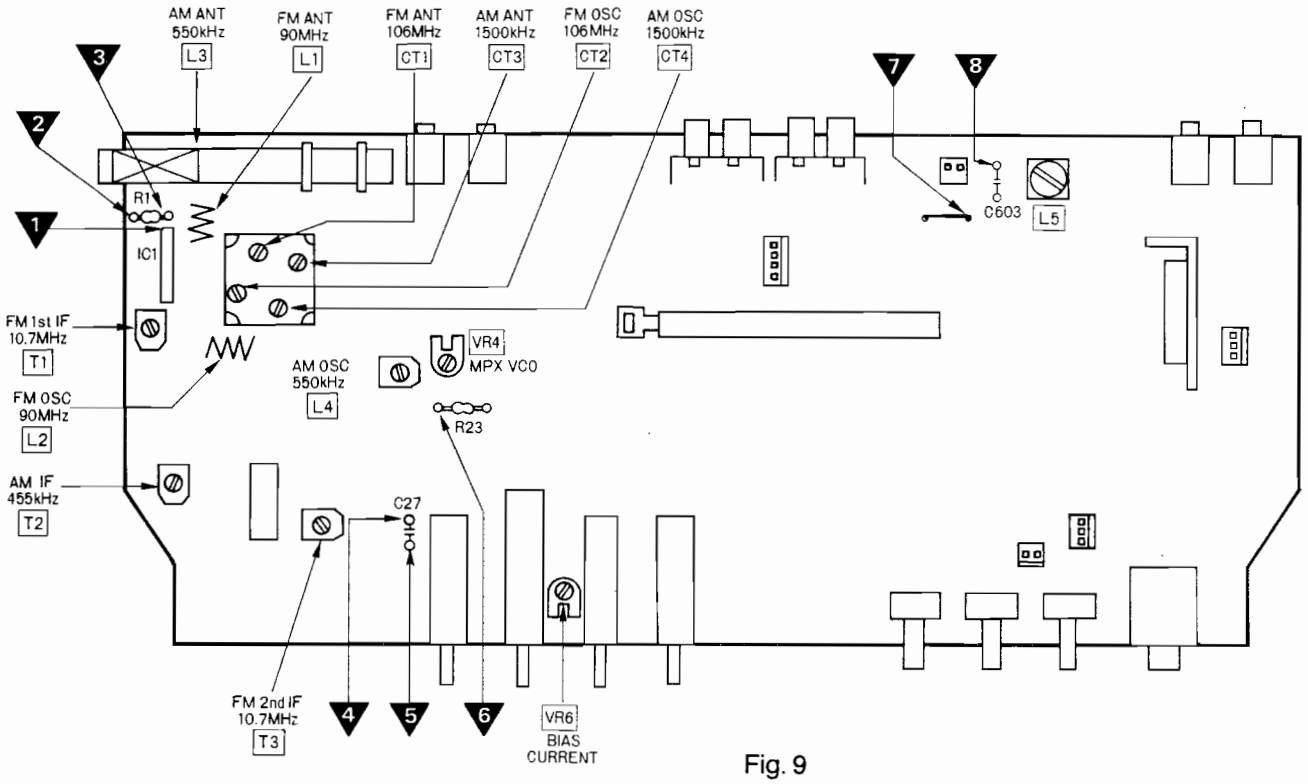
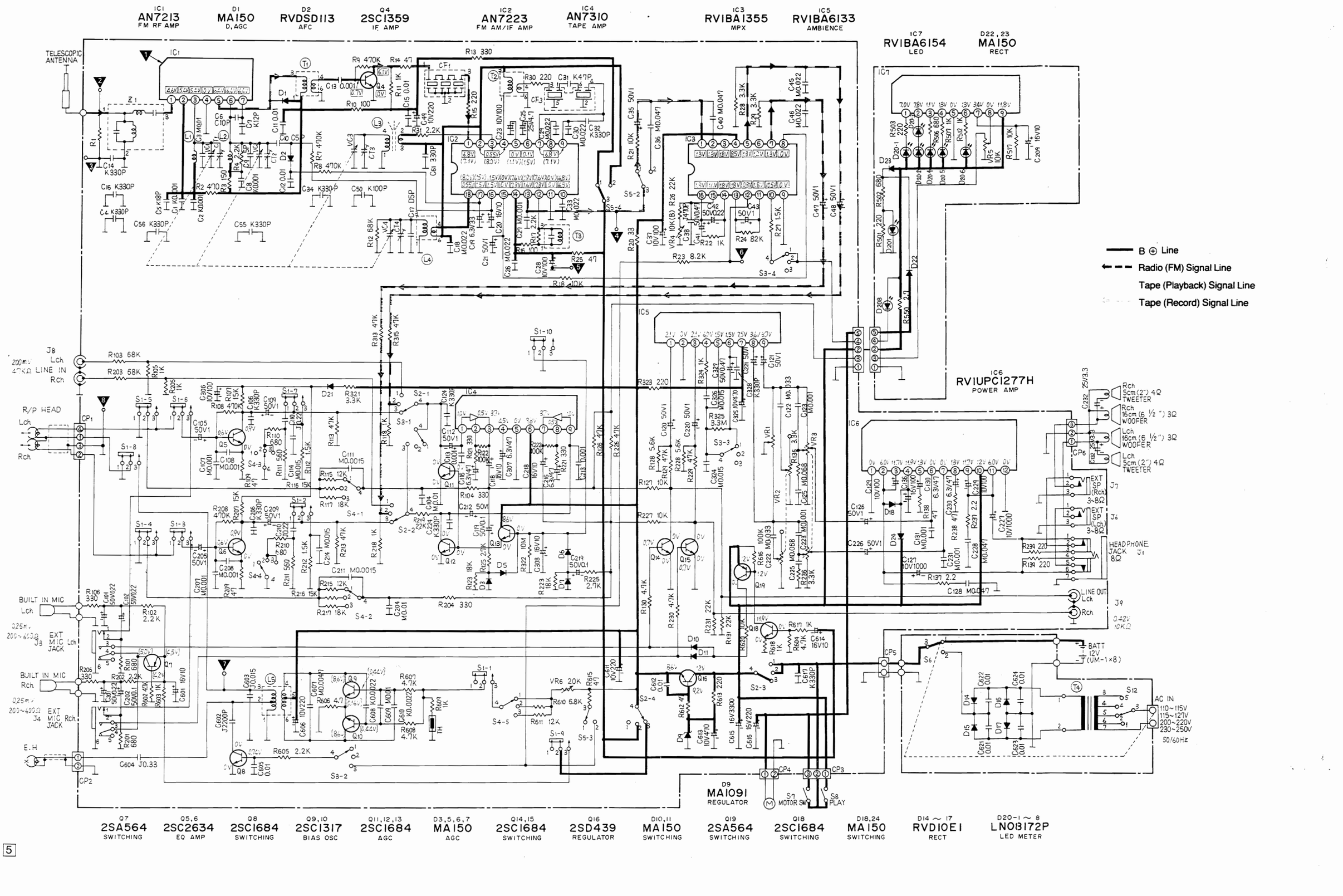


Fig. 9

SCHEMATIC DIAGRAM MODEL RX-5080



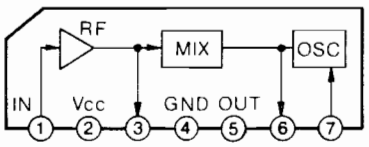
Notes:

1. S1-1~1-10: Record/Playback switch in "Playback" position.
2. S2-1~2-4: Function switch in "TAPE" position. (1 . . . LINE IN, 2 . . . RADIO, 3 . . . TAPE)
3. S3-1~3-4: Mode/Beat Proof switch in "AMBIENCE/II" position. (1 . . . AMBIENCE/II, 2 . . . STEREO/II, 3 . . . MONO/I)
4. S4-1~4-4: Tape select switch in "METAL" position. (1 . . . METAL, 2 . . . CrO_2, 3 . . . NORMAL)
5. S5-2~5-4: Band switch in "FM" position. (1 . . . FM, 2 . . . AM)
6. S7, 8: Motor/Play switch in "OFF" position.
7. VR1: Balance control VR.
8. VR2: Tone control VR.
9. VR3: Volume control VR.
10. VR4: VCO oscillator frequency adjustment VR.
11. VR5: LED meter adjustment VR.
12. VR6: Bias current adjustment VR.
13. The mark (▼) shows test point e.g. ▼ =test point 1.
14. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
    [ ] . . . . . FM position, ( ) . . . AM position,
    [ ] . . . Recording position.
15. Battery current: No signal . . . . . 122 mA
    Maximum output (radio) 1.18A
    Maximum output (tape) 1.12A

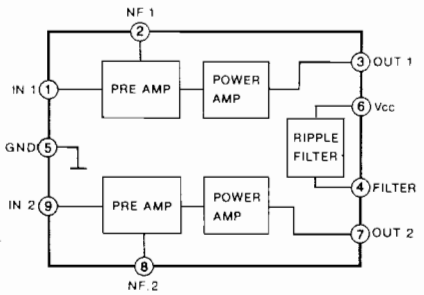
16. Important safety notice
    The shaded area on this schematic diagram incorporates special features important for protection from fire and electrical shock hazards.
    When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

IC BLOCK DIAGRAM

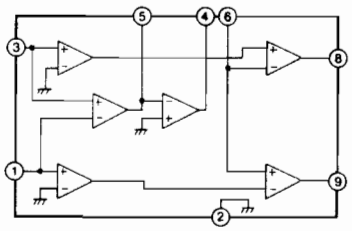
IC1 AN7213



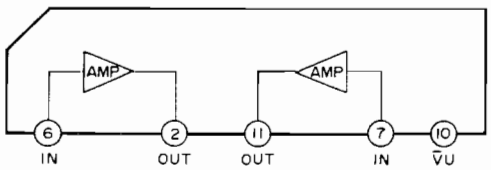
IC4 AN7310



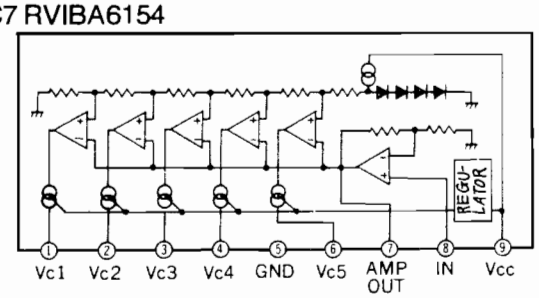
IC5 RVIBA6133

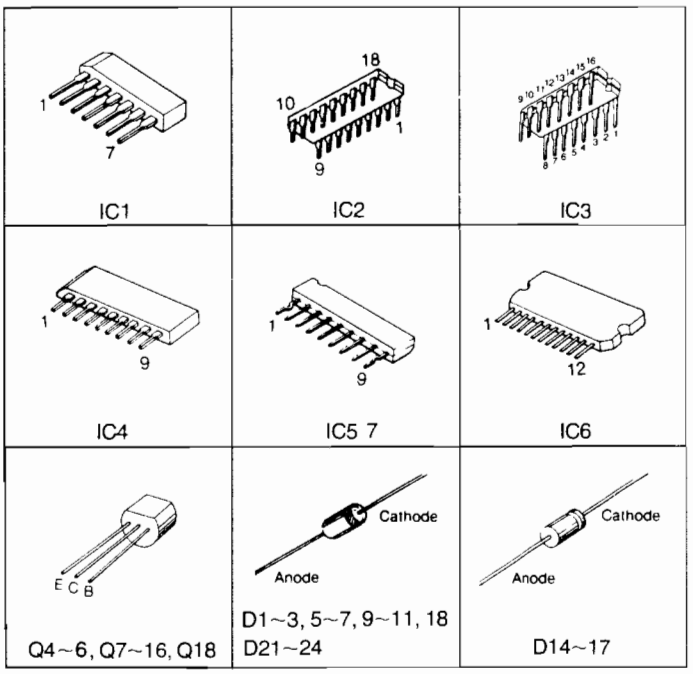


IC6 RVIUPC1277H

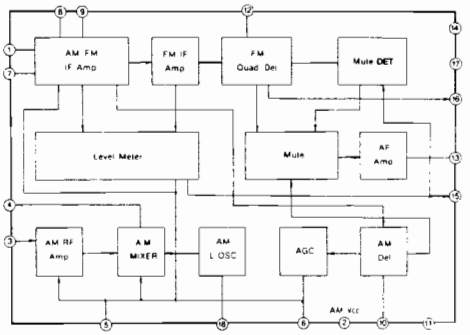


IC7 RVIBA6154

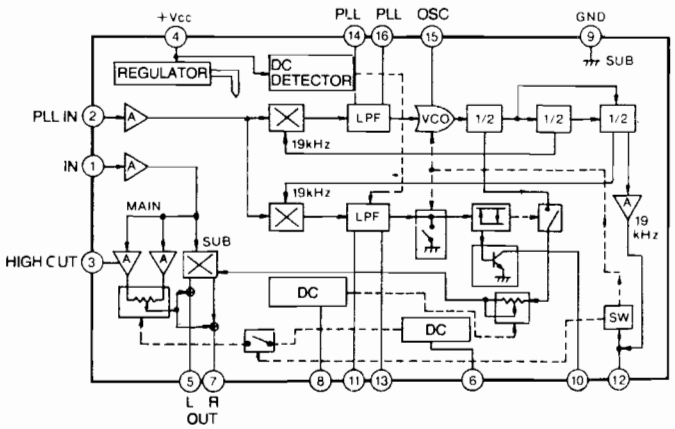




IC2 AN7223

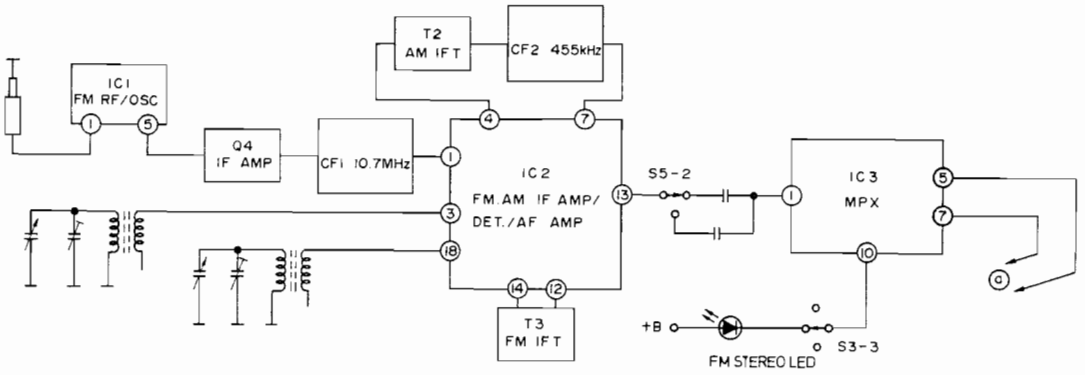


IC3 RVIBA1355

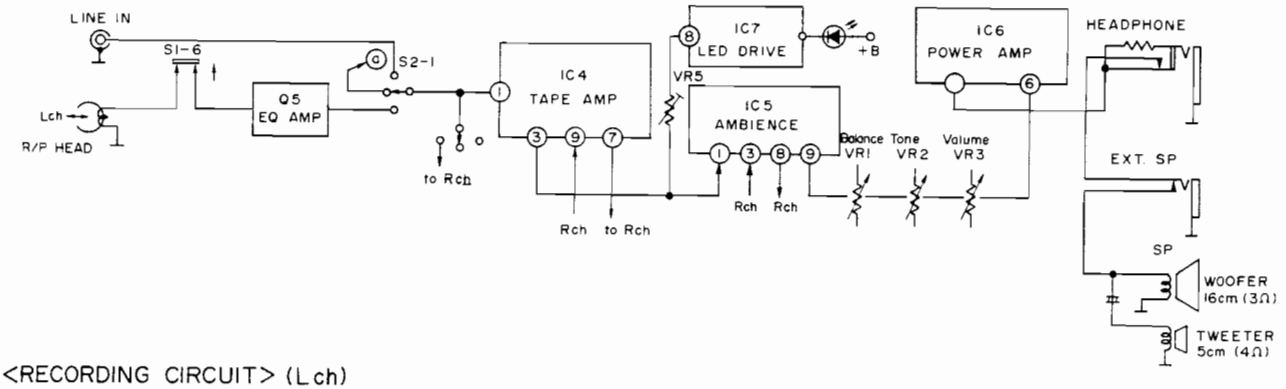


BLOCK DIAGRAM

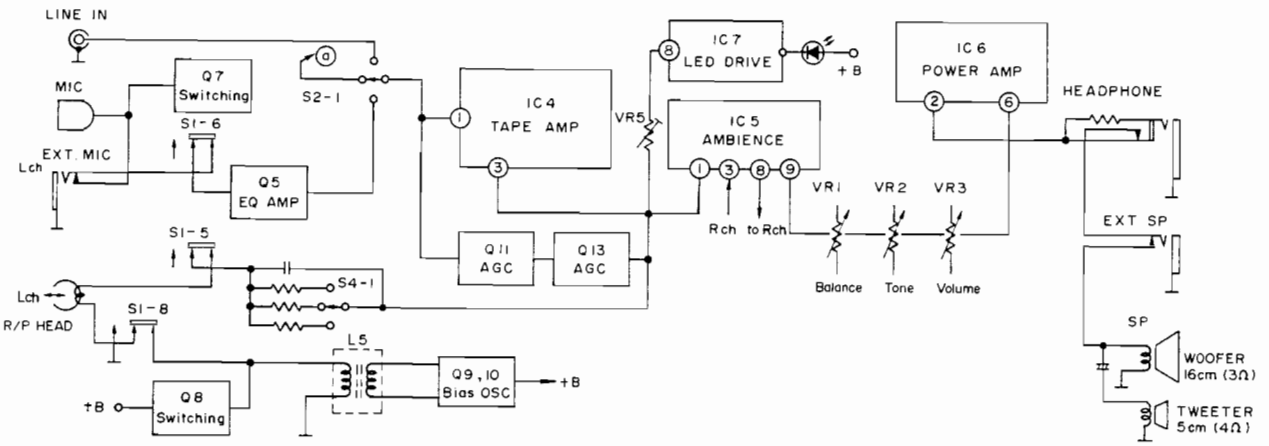
<RADIO CIRCUIT>



<PLAYBACK CIRCUIT> (L ch)



<RECORDING CIRCUIT> (L ch)



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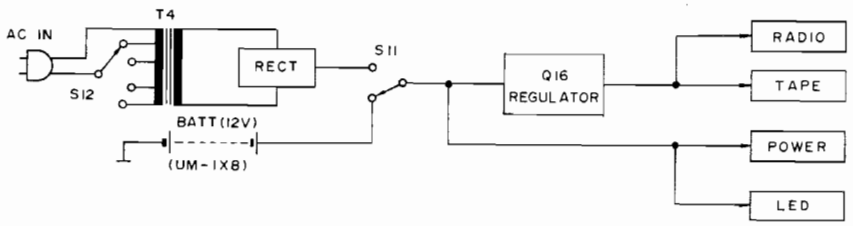

Fig. 10

MECHANISM PARTS LOCATION

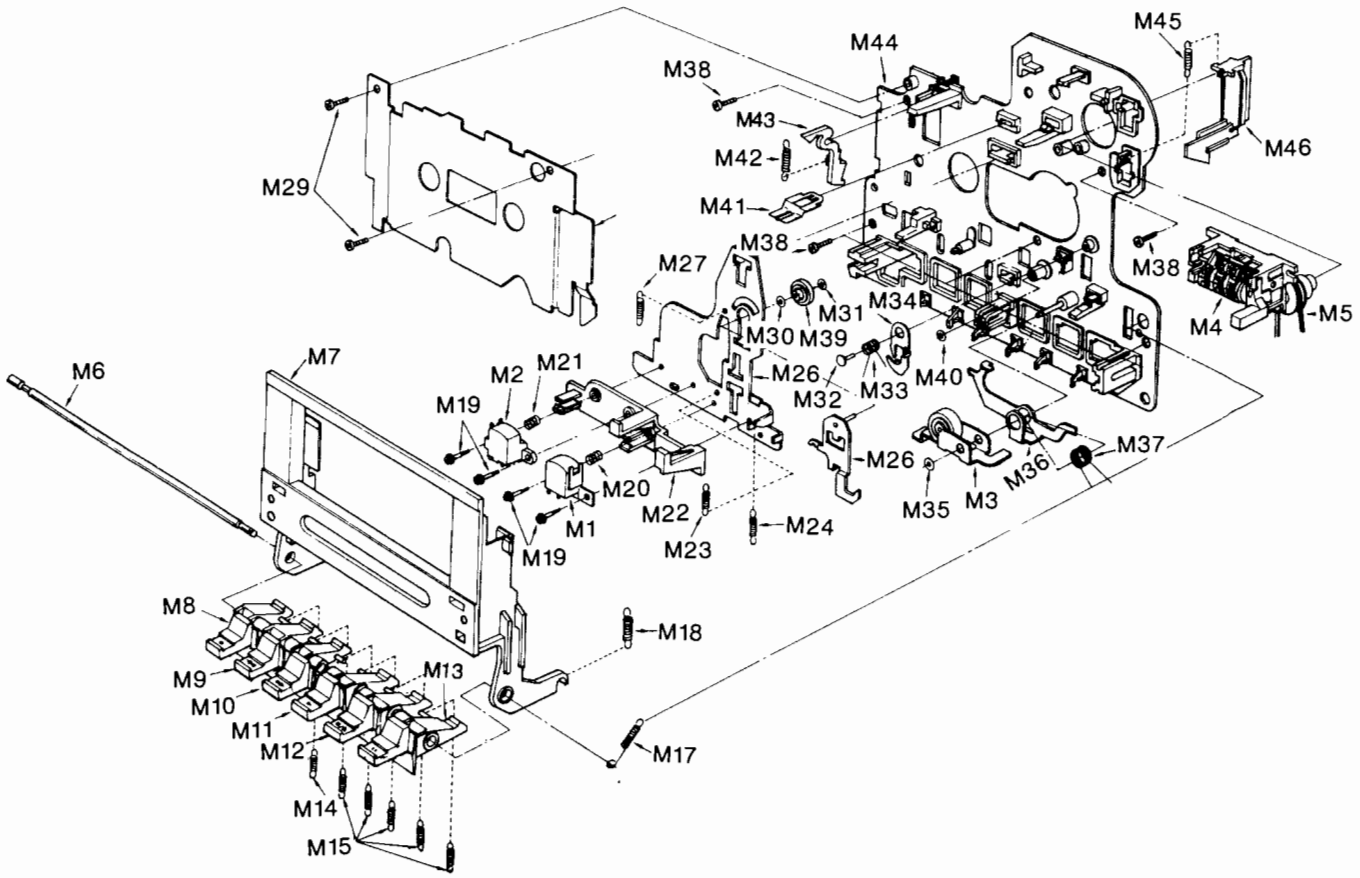

Fig. 11

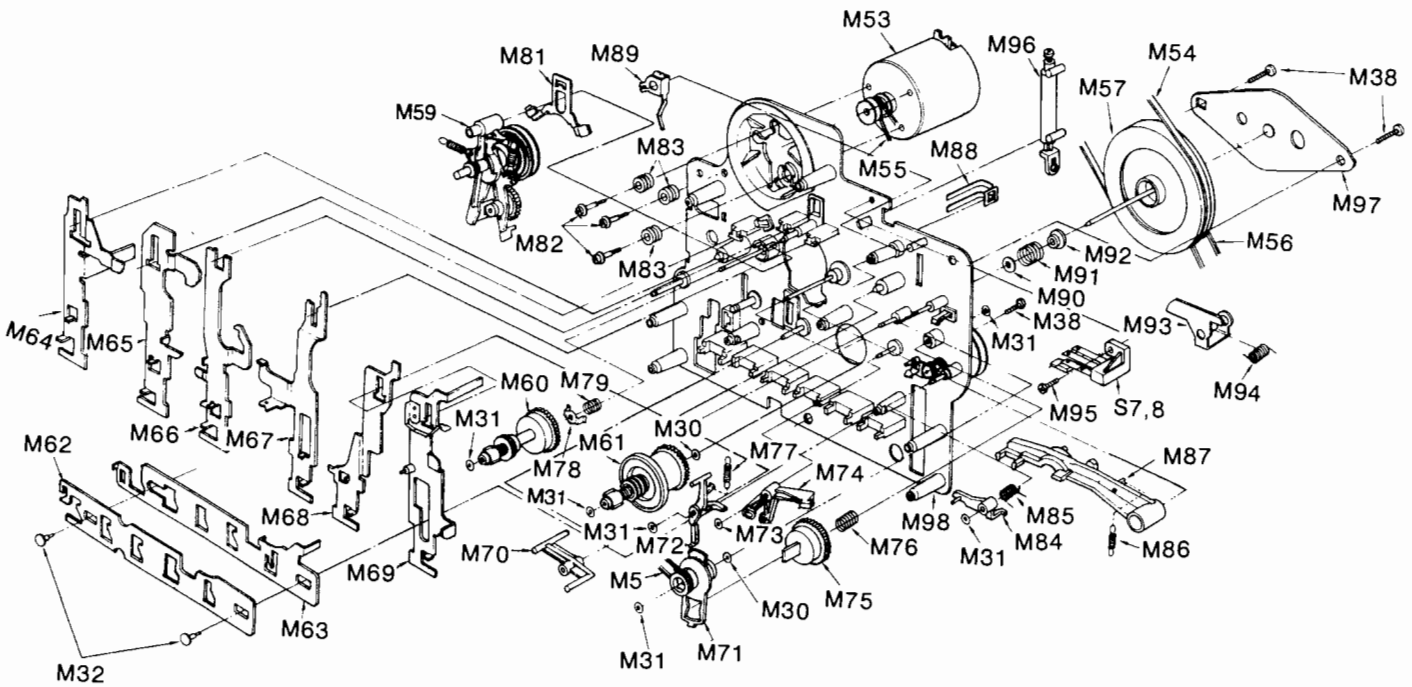

Fig. 12

ELECTRICAL PARTS LOCATION

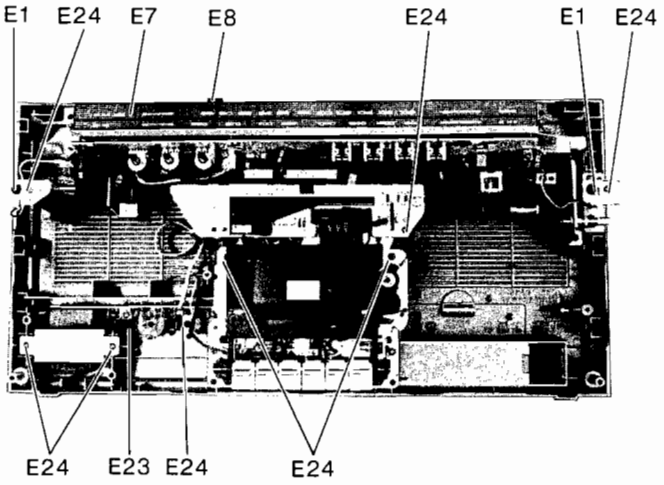

Fig. 13

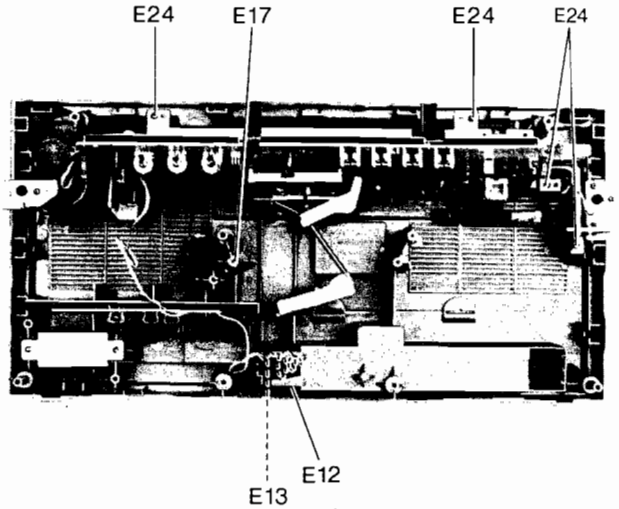

Fig. 14

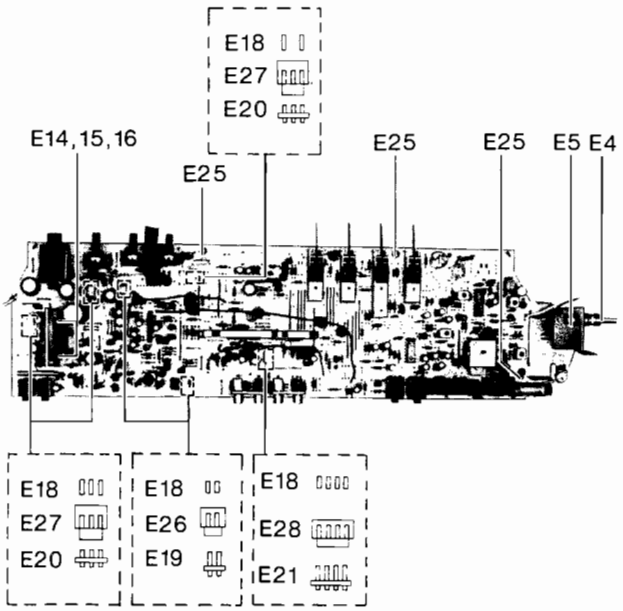

Fig. 15

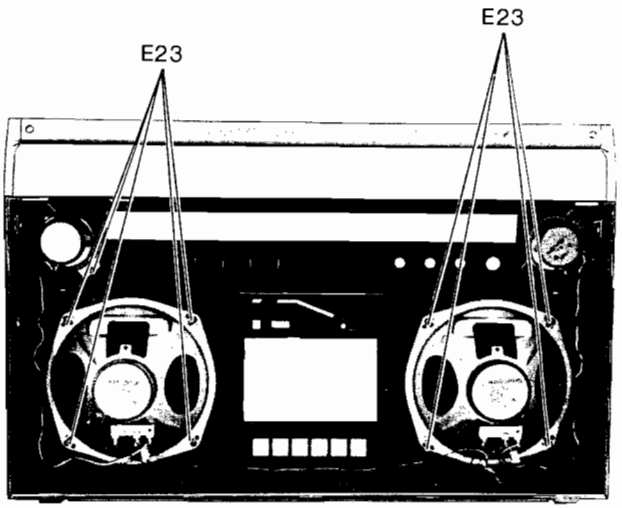

Fig. 16

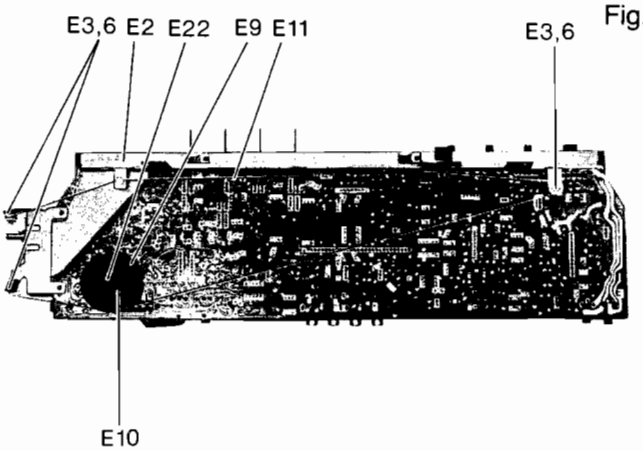

Fig. 17

CABINET PARTS LOCATION

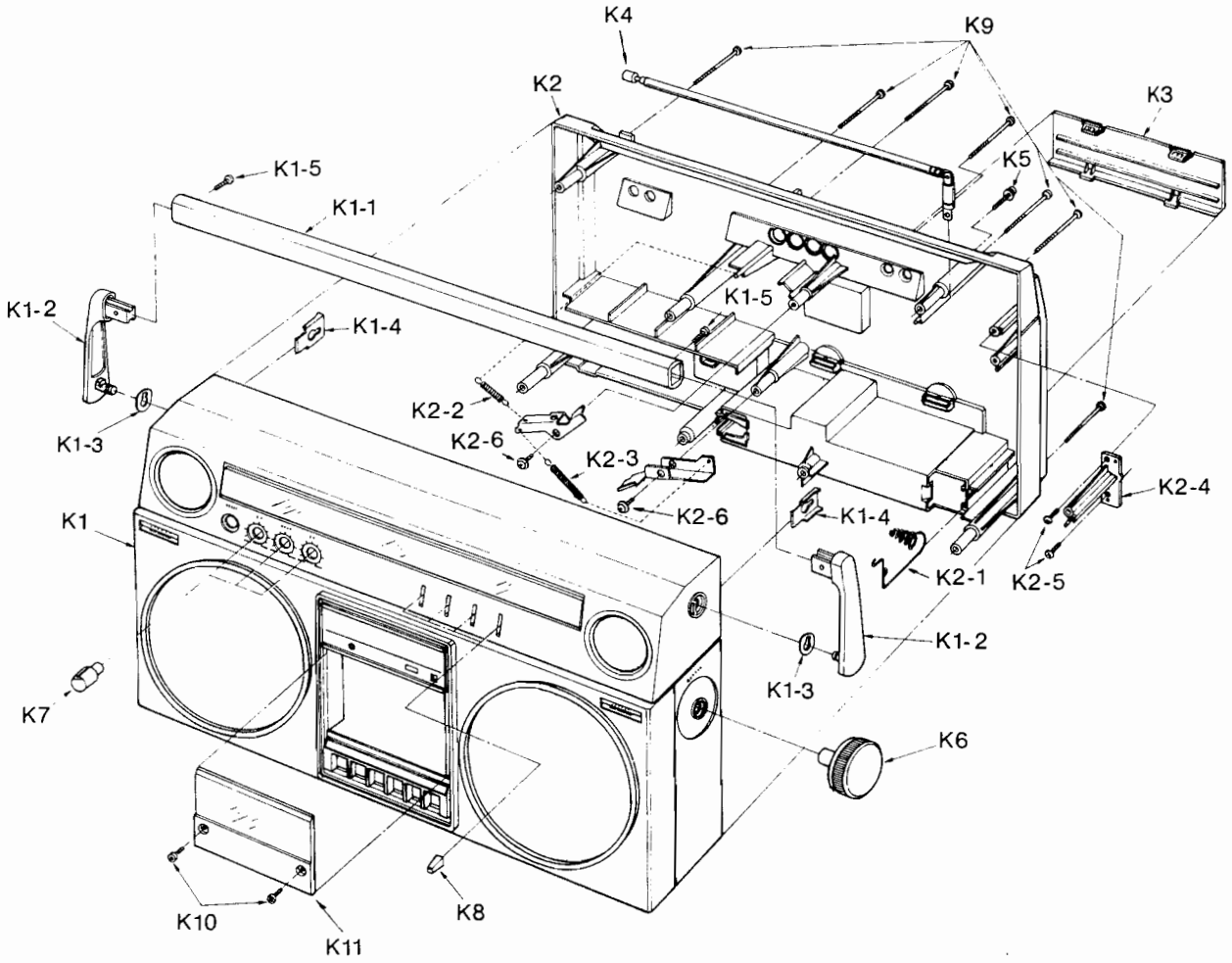

Fig. 18

DIAL THREADING

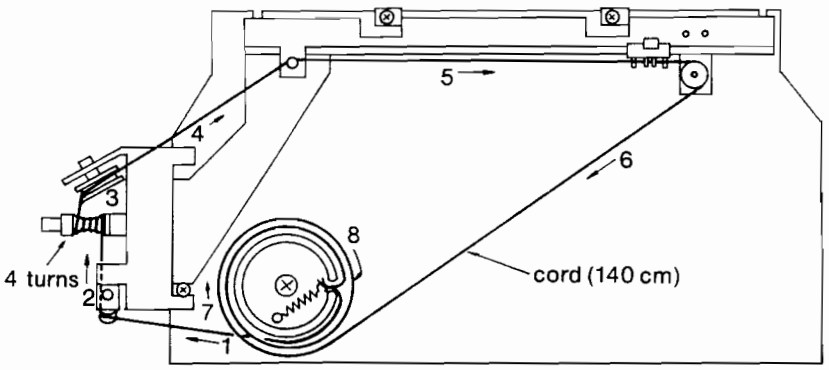

Fig. 19

PACKING MATERIALS

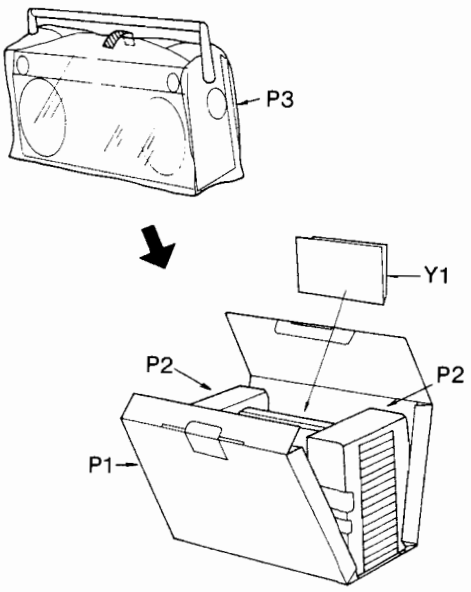

Fig. 20

■REPLACEMENT PARTS LIST ····· Model RX-5080

(RD82051996C1)

NOTES: 1.Important safety notice.
Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
2.The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M1	RJH2E5Z	Head, Record/Playback	1	
M2	RJH7E4Z	Head, Erase	1	
M3	RFR9Z	Pinch Roller Ass'y	1	
M4	RSE91Z	Counter	1	
M5	RFB19Z	Belt, Counter/Pulley	2	
M6	RFE61Z	Shaft, Operation Rod	1	
M7	RFE62Z	Cassette Holder	1	
M8	RFZ11Z	Button, Recording	1	
M9	RFZ12Z	Button, Rewind	1	
M10	RFZ13Z	Button, Fast Forward	1	
M11	RFZ14Z	Button, Playback	1	
M12	RFZ15Z	Button, Stop/Eject	1	
M13	RFZ16Z	Button, Pause	1	
M14	RFS223Z	Spring, Recording Button	1	
M15	RFS225Z	Spring, Operation Button	5	
M17	RFS236Z	Spring, Earth	1	
M18	RFS222Z	Spring, Cassette Holder	1	
M19	RFE65Z	Screw, Head M'tg	4	
M20	RFS218Z	Spring, Head Azimuth	1	
M21	RFS219Z	Spring, Head	1	
M22	RFE59Z	Head Spacer	1	
M23	RFS217Z	Spring, Head Spacer	1	
M24	RFS216Z	Spring, Pinch Roller	1	
M25	RFY152Z	Idler Lever	1	
M26	RFU13Z	Head Base Plate	1	
M27	RFS215Z	Spring, Eject Lever	1	
M28	RFE63Z	Cover Ass'y	1	
M29	RFE66Z	Screw, Cover Ass'y M'tg	2	
M30	RFN61Z	Washer	3	
M31	RFN62Z	Washer	7	
M32	RFE60Z	Pin	3	
M33	RFS220Z	Spring, Pause Lever	1	
M34	RFY153Z	Pause Lever	1	
M35	RFN63Z	Washer	1	
M36	RFY151Z	Pause Arm	1	
M37	RFS221Z	Spring, Pause Arm	1	
M38	XTN3+10C	Screw	7	
M39	RFK8Z	Idler	1	
M40	RFN64Z	Washer	1	
M41	RFS213Z	Spring, Cassette Holder	1	
M42	RFS214Z	Spring, Erase Safety Lever	1	
M43	RFY150Z	Erase Safety Lever	1	
M44	RFU12Z	Upper Base Plate Ass'y	1	
M45	RFS226Z	Spring	1	
M46	RFY154Z	Holder, Lock Lever	1	
M53	RFM11Z	Motor Ass'y	1	
M54	RFB20Z	Belt, Motor	1	
M55	RFB21Z	Belt, Junction	1	
M56	RFB22Z	Belt, Auto Stop	1	
M57	RFF15Z	Flywheel Ass'y	1	
M59	RFQ18Z	FF/REW Frame Ass'y	1	
M60	RFJ21Z	Supply Reel Table Ass'y	1	
M61	RFJ20Z	Take Up Reel Table Ass'y	1	
M62	RFY155Y	Plate, Lock Rod (A)	1	
M63	RFY156Y	Plate, Lock Rod (B)	1	
M64	RFY157Z	Record Rod Lever	1	
M65	RFY158Z	Rewind Rod Lever	1	
M66	RFY159Z	Fast Forward Rod Lever	1	
M67	RFY160Z	Playback Rod Lever	1	
M68	RFY161Z	Stop Rod Lever	1	
M69	RFY162Z	Pause Letter Ass'y	1	
M70	RFY165Z	C.R. Arm	1	
M71	RFQ17Z	Sensor Pulley Ass'y	1	
M72	RFY164Z	Set Arm	1	
M73	RFN65Z	Washer	1	
M74	RFY163Y	Arm, Auto-Stop	1	
M75	RFG35Z	Detector Gear	1	
M76	RFS229Z	Spring, Detector Gear	1	
M77	RFS227Z	Spring, Set Arm	1	
M78	RFS230Z	B.T. Spacer	1	
M79	RFS231Z	Spring	1	
M81	RFY168Z	Brake Board	1	
M82	RFE64Z	Screw, Motor M'tg	3	
M83	RFI16Z	Cushion, Motor	3	
M84	RFY166Z	Auto-Stop Safety Lever	1	
M85	RFS228Z	Spring, Auto-Stop Safety Lever	1	
M86	RFS232Z	Spring	1	
M87	RFY170Z	Switch Lever	1	
M88	RFS235Z	Spring, Lock Plate	1	
M89	RFS237Z	Spring, Sensor	1	
M90	RFN66Z	C.P. Washer	1	
M91	RFS233Z	C.P. Spring	1	
M92	RFX56Z	C.P. Spacer	1	
M93	RFY171Z	Record Safety Lever	1	
M94	RFS234Z	Spring, Record Safety Lever	1	
M95	XTN26+4F	Screw	2	
M96	RFY169Z	Dumper Ass'y	1	
M97	RFD130Z	Flywheel Holding Plate Ass'y	1	
M98	RFU14Z	Lower Base Plate Ass'y	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	AN7213	IC	1	
IC2	AN7223	IC	1	
IC3	RVIBA1355	IC	1	
IC4	AN7310	IC	1	
IC5	RVIBA6133	IC	1	
IC6	RVIUPC1277H	IC	1	
IC7	RVIBA6154	IC	1	
Q4	2SC1359B	Transistor (Si)	1	S
Q5,6	2SC2634NCT	Transistor (Si)	2	
Q7,19	2SA722-S	Transistor (Ge)	2	S
Q8	2SC1684S	Transistor (Si)	1	
Q9,10	2SC1317NCR	Transistor (Si)	2	
Q11∿13	2SC1685-Q	Transistor (Si)	3	S
Q14,15,18	2SC1684-Q	Transistor (Si)	3	S
Q16	2SD439F	Transistor (Si)	1	
D1,3,5∿7, 11,18,21∿24	10, MA161	Diode (Si)	12	S
D2	RVDSD113	Diode (Si)	1	S
D9	RVDRD9R1FB	Diode (Si)	1	S
D14∿17	SM112	Diode (Si)	4	S
D20	LN08172P	LED	1	
		THERMISTOR		
TH1	RRT202	Thermistor	1	
		COILS AND TRANSFORMERS		
L1	RLD4Y44	Antenna Coil, FM	1	
L2	RLD4Y43	Oscillator Coil, FM	1	
L3	RLF2W159	Antenna Coil, AM	1	
L4	RLO2M18	Oscillator Coil, AM	1	
L5	RLO9C31	Oscillator Coil, REC Bias	1	
T1,3	RLI4M101	IFT, FM 1st, 2nd	2	
T2	RLI2M102	IFT, AM	1	
T4	RLT5L4C2A	Power Transformer	1	⚠
		VARIABLE RESISTORS		
VR1	RVV1B2W15	Variable Resistor, 100kΩ (B)	1	
VR2	RVV2B2A54	Variable Resistor, 50kΩ (A)	1	
VR3	RVV2B1B54	Variable Resistor, 50kΩ (B)	1	
VR4,5	EVNM4AA00B14	Variable Resistor, 10kΩ (B)	2	S
VR6	EVNM4AA00B24	Variable Resistor, 20kΩ (B)	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		VARIABLE CAPACITOR		
VC1∿4	RCV4LC7V1K	Tuning Capacitor, w/Trimmer Capacitor (CT1∿4)	1	
		CERAMIC FILTERS		
CF1	RVF107MTWAZ	Ceramic Filter	1	
CF3	RVFSFZ455B	Ceramic Filter	1	
		COMPONENT COMBINATION		
Z1	RXABPWB5W	Component Combination	1	
		SPEAKERS		
	EAS16P90GD	Speaker, 16cm (6-1/2"), 3Ω, Woofer	2	
	RAS5PH07Z	Speaker, 5cm (2"), 4Ω, Tweeter	2	
		SWITCHES		
S1	RSH2J01Y	Switch, Record/Playback	1	
S2,3	RST3D14Z	Switch, Function, Mode/Beatproof	2	
S4	RST3F13Z	Switch, Tape	1	
S5	RST2D18Z	Switch, Band Selector	1	
S7,8	RFA26Z	Switch, Motor, Play	1	
S12	RSR4A07Z	Switch, Voltage Selector	1	⚠
		JACKS		
J1	RJJ1E2Y	Jack, HEAD PHONE	1	
J2 (S6)	RJJ1A2Z	Jack, AC IN	1	⚠
J3,4	RJJ1D7Z	Jack, EXT MIC	2	
J6,7	QJA0172A	Jack, EXT SP	2	
J8,9	RJF1081Y	Jack, LINE IN/OUT	2	
		RESISTORS (Value is in OHMS)		
R1	ERD25FJ103	10 k 1/4W Carbon	1	S
R2	ERD25FJ221	220 " "	1	S
R3	ERD25FJ151	150 " "	1	S
R4	ERD25FJ222	2.2 k " "	1	S
R7∿9	ERD25TJ474	470 k " "	3	S
R10	ERD25FJ101	100 " "	1	S
R11	ERD25FJ102	1 k " "	1	S
R12	ERD25TJ683	68 k " "	1	S
R13	ERD25FJ331	330 " "	1	S
R14	ERD25FJ470	47 " "	1	S
R15	ERD25FJ221	220 " "	1	S
R16	ERD25FJ101	100 " "	1	S
R17	ERD25FJ222	2.2 k " "	1	S
R18	ERD25FJ103	10 k " "	1	S
R20	ERD25FJ330	33 " "	1	S
R21	ERD25FJ103	10 k " "	1	S
R22	ERD25FJ102	1 k " "	1	S
R23	ERD25FJ822	8.2 k " "	1	S
R24	ERD25TJ823	82 k " "	1	S
R25	ERD25FJ470	47 " "	1	S
R26	ERD25FJ223	22 k " "	1	S
R27	ERD25FJ152	1.5 k " "	1	S
R28,29	ERD25FJ332	3.3 k " "	2	S

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Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R30	ERD25FJ221	220 1/4W Carbon	1	S
R31	ERD25FJ222	2.2 k " "	1	S
R32	ERD25FJ151	150 " "	1	S
R101	ERD25FJ681	680 " "	1	S
R102	ERD25FJ222	2.2 k " "	1	S
R103	ERD25TJ683	68 k " "	1	S
R104	ERD25FJ331	330 " "	1	S
R105	ERD25FJ102	1 k " "	1	S
R106	ERD25FJ331	330 " "	1	S
R107	ERD25FJ153	15 k " "	1	S
R108	ERD25TJ474	470 k " "	1	S
R109	ERD25FJ470	47 " "	1	S
R110	ERD25FJ681	680 " "	1	S
R111	ERD25FJ561	560 " "	1	S
R112	ERD25FJ152	1.5 k " "	1	S
R113	ERD25FJ473	47 k " "	1	S
R115	ERD25FJ123	12 k " "	1	S
R116	ERD25FJ153	15 k " "	1	S
R117	ERD25FJ183	18 k " "	1	S
R118	ERD25FJ102	1 k " "	1	S
R119	ERD25FJ222	2.2 k " "	1	S
R121	ERD25FJ331	330 " "	1	S
R122	ERD25TJ104	100 k " "	1	S
R123	ERD25FJ183	18 k " "	1	S
R125	ERD25FJ272	2.7 k " "	1	S
R126	ERD25FJ473	47 k " "	1	S
R127	ERD25FJ103	10 k " "	1	S
R128	ERD25FJ562	5.6 k " "	1	S
R129	ERD25FJ473	47 k " "	1	S
R130	ERD25FJ472	4.7 k " "	1	S
R131	ERD25FJ223	22 k " "	1	S
R136	ERD25FJ332	3.3 k " "	1	S
R137	ERD25FJ2R2	2.2 " "	1	S
R138	ERD25FJ470	47 " "	1	S
R139	ERD25FJ221	220 " "	1	S
R201	ERD25FJ681	680 " "	1	S
R202	ERD25FJ222	2.2 k " "	1	S
R203	ERD25TJ683	68 k " "	1	S
R204	ERD25FJ331	330 " "	1	S
R205	ERD25FJ102	1 k " "	1	S
R206	ERD25FJ331	330 " "	1	S
R207	ERD25FJ153	15 k " "	1	S
R208	ERD25TJ474	470 k " "	1	S
R209	ERD25FJ470	47 " "	1	S
R210	ERD25FJ681	680 " "	1	S
R211	ERD25FJ561	560 " "	1	S
R212	ERD25FJ152	1.5 k " "	1	S
R213	ERD25FJ473	47 k " "	1	S
R215	ERD25FJ123	12 k " "	1	S
R216	ERD25FJ153	15 k " "	1	S
R217	ERD25FJ183	18 k " "	1	S
R218	ERD25FJ102	1 k " "	1	S
R219	ERD25FJ222	2.2 k " "	1	S
R221	ERD25FJ331	330 " "	1	S
R222	ERD25TJ104	100 k " "	1	S
R223	ERD25FJ183	18 k " "	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R225	ERD25FJ272	2.7 k 1/4W Carbon	1	S
R226	ERD25FJ473	47 k " "	1	S
R227	ERD25FJ103	10 k " "	1	S
R228	ERD25FJ562	5.6 k " "	1	S
R229	ERD25FJ473	47 k " "	1	S
R230	ERD25FJ472	4.7 k " "	1	S
R231	ERD25FJ223	22 k " "	1	S
R236	ERD25FJ332	3.3 k " "	1	S
R237	ERD25FJ2R2	2.2 " "	1	S
R238	ERD25FJ470	47 " "	1	S
R239	ERD25FJ221	220 " "	1	S
R313	ERD25FJ473	47 k " "	1	S
R315	ERD25FJ473	47 k " "	1	S
R321	ERD25FJ332	3.3 k " "	1	S
R322	ERD25TJ106	10 M " "	1	S
R323	ERD25FJ221	220 " "	1	S
R324	ERD25FJ102	1 k " "	1	S
R325	ERD25TJ335	3.3 M " "	1	S
R501	ERD25FJ221	220 " "	1	S
R502	ERD25FJ681	680 " "	1	S
R503	ERD25FJ221	220 " "	1	S
R506	ERD25FJ681	680 " "	1	S
R507	ERD25FJ102	1 k " "	1	S
R512	ERD25FJ102	1 k " "	1	S
R517	ERD25FJ103	10 k " "	1	S
R550	ERD25FJ2R7	2.7 " "	1	S
R602	ERD25FJ472	4.7 k " "	1	S
R603	ERD25FJ102	1 k " "	1	S
R604	ERD25FJ472	4.7 k " "	1	S
R605	ERD25FJ222	2.2 k " "	1	S
R606	ERD25FJ4R7	4.7 " "	1	S
R607,608	ERD25FJ472	4.7 k " "	2	S
R609	ERD25FJ222	2.2 k " "	1	S
R610	ERD25FJ682	6.8 k " "	1	S
R611	ERD25FJ123	12 k " "	1	S
R612	ERD25FJ470	47 " "	1	S
R613	ERD25FJ221	220 " "	1	S
R615	ERD25FJ470	47 " "	1	S
R616	ERD25TJ104	100 k " "	1	S
R617,618	ERD25FJ102	1 k " "	2	S
R620	ERD25FJ103	10 k " "	1	S
		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)		
C1,2	ECKD1H102KB	0.001 50V Ceramic	2	
C3	ECCD1H180KC	18 P " "	1	
C4	ECCD1H331K	330 P " "	1	
C5	ECKD1H103MD	0.01 " "	1	
C6	ECCD1H100KC	10 P " "	1	
C7	ECCD1H120KC	12 P " "	1	
C8	ECKD1H102KB	0.001 " "	1	
C9	ECCD1H050CC	5 P " "	1	
C10	ECCD1H040C	4 P " "	1	
C11,12	ECKD1H103ZF	0.01 " "	2	
C13	ECKD1H102MD	0.001 " "	1	
C14	ECCD1H331K	330 P " "	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C15	ECKD1H103ZF	0.01 50V Ceramic	1	
C16	ECCD1H331K	330 P " "	1	
C17	ECCD1H070CC	7 P " "	1	
C18	ECFT1E223MD	0.022 25V Semi-Conductor	1	
C19	ECEA1CS330	33 16V Electrolytic	1	S
C20	ECEA1HS100	10 50V "	1	S
C21	ECEA50Z1	1 " "	1	S
C23	ECEA1AS101	100 10V "	1	S
C25	ECEA50ZR47	0.47 50V "	1	S
C26	ECFT1E223MD	0.022 25V Semi-Conductor	1	
C27	ECKD1H102MD	0.001 50V Ceramic	1	
C28	ECEA1AS101	100 10V Electrolytic	1	S
C29,30	ECFT1E223MD	0.022 25V Semi-Conductor	2	
C31	ECCD1H470KC	47 P 50V Ceramic	1	
C32	ECCD1H331K	330 P " "	1	
C33	ECFT1E223MD	0.022 25V Semi-Conductor	1	
C34	ECCD1H331K	330 P 50V Ceramic	1	
C35	ECEA50Z1	1 " Electrolytic	1	S
C36	ECFT1E473MD	0.047 25V Semi-Conductor	1	
C37	ECEA1AS101	100 10V Electrolytic	1	S
C38	ECQS2B471JZ	470 P 100V Polyester	1	
C40	ECFT1E473MD	0.047 25V Semi-Conductor	1	
C41	ECEA50ZR47	0.47 50V Electrolytic	1	S
C42	ECEA50ZR22	0.22 " "	1	
C43	ECEA50Z1	1 " "	1	S
C45,46	ECFT1E223MD	0.022 25V Semi-Conductor	2	
C47,48	ECEA50Z1	1 50V Electrolytic	2	S
C49	ECEA1AS221	220 10V "	1	S
C50	ECCD1H101K	100 P 50V Ceramic	1	
C55,56	ECCD1H331K	330 " "	2	
C61	ECCD1H331K	330 " "	1	
C101	ECEA50ZR22	0.22 " Electrolytic	1	S
C102	ECEA50ZR1	0.1 " "	1	
C104	ECKD1H103M	0.01 " Ceramic	1	
C105	ECEA50Z1	1 " Electrolytic	1	S
C106	ECCD1H331K	330 " Ceramic	1	
C107,108	ECKD1H102MD	0.001 " "	2	
C109	ECEA50Z1	1 " Electrolytic	1	S
C110	ECQV05224JZ	0.22 " Epoxy	1	
C111	ECKD1H152MD	0.0015 " Ceramic	1	
C112	ECEA50Z1	1 " Electrolytic	1	S
C113	ECKD1H102MD	0.001 " Ceramic	1	
C114	ECFT1E153MD	0.015 25V Semi-Conductor	1	
C116	ECEA1AS470	47 10V Electrolytic	1	S
C118	ECEA1HS100	10 50V "	1	S
C119	ECEA50ZR1	0.1 " "	1	
C120,121	ECEA50Z1	1 " "	2	S
C122	ECFT1E333MD	0.033 25V Semi-Conductor	1	
C123	ECKD1H102MD	0.001 50V Ceramic	1	
C124	ECCD1H331K	330 P " "	1	
C125	ECFT1E683MD	0.068 25V Semi-Conductor	1	
C126	ECEA50Z1	1 50V Electrolytic	1	S
C127	ECEA1AS102	1000 10V "	1	S
C128	ECFT1E473MD	0.047 25V Semi-Conductor	1	
C129	ECEA1AS101	100 10V Electrolytic	1	S
C130	ECEA1AS470	47 " "	1	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C131	ECKD1H102MD	0.001 50V Ceramic	1	
C136	ECEA1ES101	100 25V Electrolytic	1	S
C147	ECEA50N3R3	3.3 50V "	1	
C201	ECEA50ZR22	0.22 " "	1	
C202	ECEA50ZR1	0.1 " "	1	
C204	ECKD1H103M	0.01 " Ceramic	1	
C205	ECEA50Z1	1 " Electrolytic	1	S
C206	ECCD1H331K	330 P " Ceramic	1	
C207,208	ECKD1H102MD	0.001 " "	2	
C209	ECEA50Z1	1 " Electrolytic	1	S
C210	ECQV05224JZ	0.22 " Epoxy	1	
C211	ECKD1H152MD	0.0015 " Ceramic	1	
C212	ECEA50Z1	1 " Electrolytic	1	S
C213	ECKD1H102MD	0.001 " Ceramic	1	
C214	ECFT1E153MD	0.015 25V Semi-Conductor	1	
C216	ECEA1AS470	47 10V Electrolytic	1	S
C218	ECEA1HS100	10 50V "	1	S
C219	ECEA50ZR1	0.1 " "	1	
C220,221	ECEA50Z1	1 " "	2	S
C222	ECFT1E333MD	0.033 25V Semi-Conductor	1	
C223	ECKD1H102MD	0.001 50V Ceramic	1	
C224	ECCD1H331K	330 P " "	1	
C225	ECFT1E683MD	0.068 25V Semi-Conductor	1	
C226	ECEA50Z1	1 50V Electrolytic	1	S
C227	ECEA1AS102	1000 10V "	1	S
C228	ECFT1E473MD	0.047 25V Semi-Conductor	1	
C229	ECEA1AS101	100 10V Electrolytic	1	S
C230	ECEA1AS470	47 " "	1	S
C231	ECKD1H102MD	0.001 50V Ceramic	1	
C247	ECEA50N3R3	3.3 " Electrolytic	1	
C306	ECEA1AS101	100 10V "	1	S
C307	ECEA1AS470	47 " "	1	S
C308	ECEA1HS100	10 50V "	1	S
C324	ECFT1E153MD	0.015 25V Semi-Conductor	1	
C325	ECEA1AS471	470 10V Electrolytic	1	S
C326	ECFT1E153MD	0.015 25V Semi-Conductor	1	
C327	ECEA50ZR47	0.47 50V Electrolytic	1	S
C328	ECCD1H331K	330 " Ceramic	1	
C509	ECSF1AM335	3.3 10V Electrolytic	1	
C601	ECEA1HS100	10 50V "	1	S
C602	ECQS2B222JZ	0.0022 100V Styrol	1	
C603	RCQP2A153JZ	0.015 " Polyester	1	
C604	ECQV05334JZ	0.33 50V Epoxy	1	
C605	ECKD1H103ZF	0.01 " Ceramic	1	
C606	ECEA1AS221	220 10V Electrolytic	1	S
C609	ECKD1H103MD	0.01 50V Ceramic	1	
C611	ECEA1AS221	220 10V Electrolytic	1	S
C612	ECKD1H103ZF	0.01 50V Ceramic	1	
C613	ECEA1AS471	470 10V Electrolytic	1	S
C614	ECEA1HS100	10 50V "	1	S
C615	ECEA1CS332	3300 16V "	1	S
C616	ECEA1CS221	220 " "	1	S
C621∿624	ECKD1H103ZF	0.01 50V Ceramic	4	
C630	ECKD1H222MD	0.0022 " "	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		CABINET PARTS		
K1 *	RYMX5080M8	Front Cabinet Ass'y	1	
K1-1	RKX217Z	Handle	1	
K1-2	RKX189Z	Arm, Handle	2	
K1-3	RKX184Z	Spacer, Arm	2	
K1-4	RKT130Z	Bracket, Arm	2	
K1-5	XTB3+8BFN	Screw, Handle M'tg	2	S
K2	RYFX5080M7	Rear Cabinet Ass'y	1	
K2-1	RJC931Z	Spring, Battery +, - Side	1	
K2-2	RDS3190Z	Spring, Lever	1	
K2-3	RDS4480Z	Spring, Lever	1	
K2-4	RKE407Z	Boss, Mic	1	
K2-5	XTV3+12G	Screw, 3x12 Boss M'tg	1	
K2-6	XTWS3+10Q	Screw, 3x10 Lever M'tg	2	
K3	RYNX5100N7	Battery Cover Ass'y	1	
K4	XEARR345CAN	Telescopic Antenna	1	
K5	XYN3+F15FY	Screw, 3x15 Telescopic Antenna M'tg	1	
K6	RBN567W	Knob, Tuning	1	
K7	RBN600Z	Knob, Volume, Tone, Balance	3	
K8	RBS191Y	Knob, Tape, Band etc.	4	
K9	XTV3+40G	Screw, Rear Cabinet M'tg	7	
K10	RHE5040Z	Screw, Cassette Panel M'tg	2	
K11	RYQX5080M	Cassette Panel Ass'y	1	
		ELECTRICAL PARTS		
E1	RJM149Z	Built-In Microphone	2	
E2	RZAX5080N	Dial Chassis Ass'y	1	
E3	RDR20-3	Roller, Dial	3	
E4	RDT1295Z	Shaft, Tuning	1	
E5	XNS9	Nut, Tuning Shaft	1	S
E6	RNW150-2	Washer, Roller	3	
E7	RKD610W	Scale, Dial	1	
E8	RDP842Z	Pointer, Dial	1	
E9	RDD4015Y	Drum, Dial	1	
E10	RDS4060A	Spring, Drum	1	
E11	RDZ05Z	Cord, Dial (140cm)	1 ROLL	
E12	RUV671Z	Bracket	1	
E13	RJC511Z	Spring, Battery, - Side	1	
E14	XSN3+10S	Screw, 3x10, Heat Shink M'tg	2	S
E15	XWA3B	Washer	2	S
E16	XWG3	Washer	2	S
E17	RJT514Z	Terminal, Earth	1	
E18	RJT462Z	Terminal, Socket	16	
E19	RJP2G1Z	2 Pin, Plug, CP2,4	2	
E20	RJP3G1Z	3 Pin, Plug, CP3,5,6	3	
E21	RJP4G1Z	4 Pin, Plug, CP1	1	
E22	XYN26+C5	Screw, 2.6x5, Drum M'tg	1	
E23	XTV3+10G	Screw, 3x10, Speaker Voltage Selector M'tg	11	
E24	XTV3+12G	Screw, 3x12, Deck, Chassis etc. M'tg	12	
E25	XTV3+6F	Screw, 3x6, Printed Circuit Board M'tg	4	
E26	RJS2L1Z	2 Pin, Socket	2	
E27	RJS3L1Z	3 Pin, Socket	3	
E28	RJS4L1Z	4 Pin, Socket	1	
		ACCESSORY		
A1	RJA22Y	Power Cord, AC	1	⚠
		PACKING MATERIALS		
P1	RPK1367Z	Gift Box	1	
P2	RPN9417Z	Pad Complete	1	
P3	XZB70X50A04	Polyethylene Cover	1	S
		PRINTED MATERIAL		
Y1	RQX6909Z	Instruction Book	1	

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CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM MODEL RX-5080